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## Patent Claims:

- An oligopeptide or polypeptide comprising 1.
- (a) an amino acid sequence which has at least 94% 5 identity with SEQ ID NO: 13;
  - (b) an amino\_acid\_sequence\_in\_which\_from\_0\_to\_4\_amino acids is/are substituted, deleted or inserted as compared with SEQ ID NO: 13;
- (c) an amino acid sequence which is a constituent 10 sequence of SEQ ID NO: 12 containing at least 5 consecutive amino acids of SEQ ID NO: 12, with the constituent sequence including at least one of the positions 72, 78, 112, 122 and 139 of SEQ ID NO: 15 12; or
- (d) a fragment of an HBs antigen of a hepatitis B virus, with the fragment having a length of at least 5 amino acids, the HBs antigen possessing arginine at position 115, glutamine at position 120, leucine at position 154, valine at position 20 and/or arginine at position 181 and the fragment comprising arginine 115, glutamine 120, leucine 154, valine 164 and/or arginine 181.
- oligopeptide or polypeptide as claimed 25 2. An claim 1, characterized in that it reacts with sera from individuals who are infected with the hepatitis B variant HDB 05.
- oligopeptide or polypeptide as claimed in 30 An claim 1 or 2, characterized in that it comprises amino acid sequence which is selected from the group consisting of SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 14, SEQ ID NO: 15, SEQ ID NO: 16, SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21 and 35 SEQ ID NO: 22.
  - An oligonucleotide or polynucleotide comprising 4.

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- (a) a nucleotide sequence which has at least 98% identity with SEQ ID NO: 2,
- (b) a nucleotide sequence in which from 0 to 4 nucleotides are substituted, deleted or added as compared with SEQ ID NO: 2,
  - (c) a nucleotide sequence which is a constituent sequence of SEQ ID NO: 1 containing at least 8 consecutive nucleotides of SEQ ID NO: 1, with the constituent sequence including at least one of the positions 218, 233, 335, 365 and 416 of SEQ ID NO: 1,
  - (d) a nucleotide sequence which specifically hybridizes, under stringent conditions, with a polynucleotide which is complementary to the sequence SEQ ID NO: 1, or
  - (e) a nucleotide sequence which encodes an oligopeptide or polypeptide as claimed in one of claims 1 to 3;
- 20 or an oligonucleotide or polynucleotide which is complementary thereto.
- 5. An oligonucleotide or polynucleotide as claimed in claim 4, characterized in that it comprises a nucleotide sequence which is selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO: 10 and SEQ ID NO: 11.
  - 6. An oligonucleotide or polynucleotide as claimed in claim 4, characterized in that it has a length of from 10 to 30 nucleotides.
- 35 7. A vector or plasmid which contains an oligonucleotide or polynucleotide as claimed in one of claims 4 to 6.

- 8. A cell which has been transformed or transfected with a vector or plasmid as claimed in claim 7.
- 9. A cell which contains an oligonucleotide or 5 polynucleotide as claimed in one of claims 4 to 6 or a vector or plasmid as claimed in claim 7.
- 10. A method for preparing an oligopeptide or polypeptide as claimed in one of claims 1 to 3 which 10 comprises culturing a cell as claimed in claim 8 or 9 under\_suitable conditions such that the oligopeptide or polypeptide is expressed.
- 11. The method as claimed in claim 10, characterized in that the oligopeptide or polypeptide is isolated from the cells and separated off from other oligopeptides or polypeptides.
- 12. An antibody which binds to an oligopeptide or 20 polypeptide as claimed in one of claims 1 to 3.
- 13. An antibody as claimed in claim 12, characterized in that it binds to an HBs antigen which contains an oligopeptide or polypeptide as claimed in one of claims
  25 1 to 3 but not, or significantly more weakly, to HBs antigen belonging to a genotype A, subtype adw, hepatitis B virus.
- 14. An antiidiotypic antibody which represents an amino acid sequence as defined in one of claims 1 to 3.
  - 15. A test kit for detecting hepatitis B viruses, comprising
- (i) an oligopeptide or polypeptide as claimed in one of claims 1 to 3;
  - (ii) an oligonucleotide or polynucleotide as claimed in one of claims 4 to 6; and/or

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(iii) an antibody as claimed in one of claims 12 to 14.

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- 16. An immunogenic peptide or mixture of immunogenic peptides containing one or more oligopeptides or polypeptides as claimed in one of claims 1 to 3 on its/their own or in combination with known HBV immunogens.
- 10 17. A method for detecting a hepatitis B antigen, characterized in that
  - (a) a sample is incubated with an antibody as claimed in claim 12 or 13 under conditions which allow the formation of an antigen-antibody complex; and
- 15 (b) an antigen-antibody complex which contains the antibody is detected.
- 18. A method for detecting antibodies which are directed against a hepatitis B antigen, characterized 20 in that
  - (a) a sample is incubated with an oligopeptide or polypeptide as claimed in one of claims 1 to 3 under conditions which allow the formation of an antigen-antibody complex; and
- 25 (b) the antibody-antigen complex which contains the oligopeptide or polypeptide is detected.
  - 19. A method for detecting a hepatitis B nucleic acid, characterized in that
- 30 (a) a sample is incubated with an oligonucleotide or polynucleotide as claimed in one of claims 4 to 6 under conditions which allow the selective hybridization of the oligonucleotide polynucleotide with a hepatitis B nucleic acid in 35 the sample; and
  - (b) it is determined whether polynucleotide duplexes which \_comprise the oligonucleotide or polynucleotide have been formed.

- 20. A method for detecting a hepatitis B nucleic acid, characterized in that
- (a) a sample is incubated with at least one oligonucleotide or polynucleotide as claimed in one of claims 4 to 6 under conditions which allow the selective hybridization of the oligonucleotide or polynucleotide with a hepatitis B nucleic acid in the sample;
- 10 (b) a polymerase chain reaction is carried out; and
  - (c) it is determined whether a nucleic acid has been amplified.
- 21. The use of an oligonucleotide or polynucleotide as claimed in one of claims 4 to 6 as a primer.
  - 22. The use of an oligonucleotide or polynucleotide as claimed in one of claims 4 to 6 as a probe.
- 20 23. An isolated hepatitis B virus which possesses an HBs antigen which comprises an amino acid sequence having at least 97% identity with SEQ ID NO: 12.